

CLAIMS

WHAT IS CLAIMED IS:

1. A test paddle for connection to a relay for use by test equipment to test the relay, comprising:
 - a body portion having a handle configured for grasping by an individual; and
 - a contact extending from the body portion.
2. The test paddle of Claim 1, wherein the body portion is further defined as having an upper surface defining a stud opening, a lower surface, a first end having a contact opening associated with the stud opening and a barrier extending from the first end of the body, and wherein a stud extends through the stud opening on the upper surface of the body portion, the contact electrically coupled to the stud.
3. The test paddle of Claim 2, wherein the contact extends through the contact opening on the first end of the body portion.
4. The test paddle of Claim 1, wherein the handle is coupled to the body and configured for grasping by the hand of an individual to promote insertion and removal the test paddle from the relay.
5. The test paddle of Claim 1, wherein the handle is integral to the body portion.
6. The test paddle of Claim 1, wherein the handle and body portion are unitarily formed.
7. The test paddle of Claim 2, wherein the contact is further defined as a knife contact and wherein a portion of the stud is threaded to couple to a binding post.
8. The test paddle of Claim 2, wherein the body portion, the handle and the barrier are constructed of a polymeric material.

9. The test paddle of Claim 8, wherein the polymeric material is further defined as ABS plastic.
10. The test paddle of Claim 2, wherein the first end has a plurality of contact openings, the upper surface has a plurality of stud openings, and wherein a plurality of studs extend through the plurality of stud openings and a plurality of contacts extend through the plurality of contact openings such that each of the plurality of studs electrically communicates with at one of the contacts.
11. The test paddle of Claim 1, wherein handle is defined as having at least one grasping edge and wherein the grasping edge of the handle is further defined as knurled about an upper and lower surfaces of the grasping edge.
12. A binding post connectable to a stud to promote electrical connection of equipment to the stud, the binding post comprising:
 - a cover having a first end, a second end, an inner chamber, and an outer surface configured to promote rotation of the cover; and
 - an insert having a shaft coupleable to the inner chamber of the cover, the first end of the shaft configured to couple with the stud on the test paddle.
13. The binding post of Claim 12, wherein the inner chamber extend from the first end to the second end of the cover.
14. The binding post of Claim 12, wherein the binding post further provided with a shoulder coupled to the first end of the shaft extending about the first end of the cover.
15. The binding post of Claim 14, wherein the shoulder has a diameter greater than a diameter of the first end of the shaft.
16. The binding post of Claim 12, wherein the cover is constructed of a non-conductive material and wherein the insert is constructed of a conductive material.

17. The binding post of Claim 12, wherein the insert is sized to be received into the inner chamber of the cover.
18. The binding post of Claim 12, wherein an outer surface of the insert and the inner chamber of the cover are shaped such that a rotation effected on the cover rotates the insert when the insert is positioned within the inner chamber of the cover.
19. The binding post of Claim 18, wherein the outer surface of the insert and the inner chamber are substantially hex shaped.
20. The binding post of Claim 12, wherein a second end of the insert is adapted to receive a banana jack.
21. The binding post of Claim 12, wherein a second end of the insert is adapted to receive a shielded banana jack.
22. The binding post of Claim 12, wherein the inner chamber is provided with a ridge disposed between the first and second ends of the cover, the ridge extending circumferentially about the inner chamber, and wherein the outer surface of the insert is provided with an annular recess positioned to be received by the ridge of the inner chamber to couple the insert to the cover.
23. The binding post of Claim 12, wherein the insert threadingly couples and uncouples to the stud for coupling one of a spade lug and a ring lug on the stud and wherein the second end of the insert is configured to receive one of a regular banana jack and a shielded banana jack.

24. A test device connectable to a relay and connectable to test equipment to test the relay, the test device comprising:
- a test paddle having:
 - a body portion having a stud opening and a contact opening,
 - a stud extending through the stud opening,
 - a contact extending through the contact opening and electrically coupled to the stud,
 - and
 - a handle configured for grasping by the hand of an individual and provided to promote insertion and removal of the test paddle from the relay; and
 - a binding post having:
 - a cover having an inner chamber and an outer surface configured to promote rotation of the cover, and
 - an insert having a shaft coupleable to the inner chamber of the cover, the first end of the shaft configured to couple with the stud on the test paddle.
25. The test device of Claim 24, wherein the body includes a plurality of stud openings and a plurality of contact openings and wherein the test device further comprising a plurality of stud extending through the plurality of stud openings and a plurality of contacts extending through the contact openings, each of the plurality of contacts electrically coupled to one of the studs.
26. The test device of Claim 25, wherein a barrier extends from the body to inhibit contact with the contacts.
27. The test device of Claim 26, further comprising a plurality wherein the binding posts and wherein the inserts of the plurality of binding posts are disconnectable from the respective studs.
28. The test device of Claim 24, wherein the inner chamber extending through cover from a first end to a second end of the cover and wherein a second end of insert is operable to couple to a banana jack.

29. A test paddle for connection to a relay for use by test equipment to test the relay, comprising:
 - a body portion configured to allow a secure grip by an individual to promote insertion and removal of the test paddle; and
 - a contact extending from the body portion.
30. The test paddle of claim 29, wherein the body portion is further defined as adapted to be at least partially encircled by at least the fingers of the hand of an individual to promote insertion and removal of the test paddle.
31. The test paddle of Claim 30, wherein at least partially encircled the body portion to allow the secure grip is defined as encirclement by at least 180 degrees.
32. The test paddle of claim 29, wherein the body portion is further defined as adapted to be substantially encircled by at least the fingers of the hand of an individual to promote insertion and removal of the test paddle.
33. The test paddle of Claim 32, wherein substantially encircling the body portion to allow the secure grip is defined as encirclement by at least 270 degrees.
34. A test paddle for connection to a relay for use by test equipment to test the relay, comprising:
 - a body portion having an opening in the body portion sized to receive at least the fingers of a hand through the body portion to promote insertion and removal of the test paddle; and
 - a contact extending from the body portion.

35. A test paddle for connection to a relay for use by test equipment to test the relay, comprising:
- a body portion;
 - a contact extending from a portion of the body portion; and
 - a handle connected to the body portion, the handle sized to be grasped by an individual.
36. The test paddle of Claim 35, wherein the handle is further defined as a first handle connected a first side of the body portion and a second handle connected to a second side of the body portion.
37. The test paddle of Claim 35, wherein the contacts extend from a first end of the body portion and the handle connects to the second end of the body portion.
38. The test paddle of Claim 35, wherein the handle is further defined as a knob.
39. A test paddle for connection to a relay for use by test equipment to test the relay, comprising:
- a body portion having an a first surface, a first end and a second end, the second end elevated relative to the first surface configured such that the second end extends a distance toward the first end to promote insertion and removal of the test paddle; and
 - a contact extending from the first end the body portion.
40. The test paddle of Claim 39, wherein the second end is further defined as U-shaped such that the second end partially arcs toward the first end.
41. The test paddle of Claim 39, further comprising a raised lip extending about the second end, the raised lip angled toward the first end and disposed at an angle of less than 90 degrees relative to the first surface.